

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Group Art Unit: 2875

Applicant: Jochen Kunze et al.

Serial No: 10/582,311

Filing Date: June 9, 2006

For: METHOD FOR THE PRODUCTION OF LIGHT-EMITTING
SEMICONDUCTOR DIODES

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

This Information Disclosure Statement and Form PTO-1449 are submitted pursuant to the provisions of 37 CFR §§ 1.97 and 1.98(a) as a means of complying with the requirements of 37 CFR § 1.56 with respect to the above-captioned patent application.

Applicant is aware of three references to which their respective disclosures relate to the invention disclosed and claimed in the above-captioned patent application. Two of the references are United States patents. The third is a Japanese patent application having a publication number JP6334223. This reference discloses the mounting of a LED chip at a recess made in a printed board. A LED chip 4 is mounted at a recess 2 made in a metal base printed board 1 by contraction so that the inclining surface at the recess 2 functions as a light reflective part. At least two through holes are made at predetermined positions in the vicinity of the LED chip 4 and a first resin molded part 5d, having lens characteristics on the LED chip mounting face side, is formed integrally with a second resin molded part 6c on the opposite side through the through hole 3. Consequently, a part of the light emitted from the LED chip 4 is reflected on the inclining surface of the recess 2 and the majority of light is led to the front of the recess 2 where it is condensed through a spherically molded resin thus enhancing the total light take-out efficiency significantly.

IDS
November 2, 2007
Serial No: 10/582,311

If the Examiner has any questions regarding this Information Disclosure Statement, Form PTO-1449 or the above-captioned patent application, the Examiner is invited to contact the undersigned.

The Commissioner is hereby authorized to charge any additional fee associated with this Communication to Deposit Account No. 50-0852.

Respectfully submitted,

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